

## CHECKLIST #0470 FOR THE APPROVAL OF: SOLAR HEATER

- Basic Requirements Checklist.
- One set of the manufacturer's 'approval document' including:
  - a) Plumbing diagram,
  - b) Method of installation which should match the testing installation,
  - c) Specifications and size of materials used, and
  - d) Anchorage method to the structure, according to test and calculations.
- □ Manufacturer's installation instruction manual.
- Design calculations for the structural frame supporting the collector and the anchorage of the frame to the roof system.
- One set of manufacturer's design drawings marked and verified by the testing laboratory.

## The following current laboratory tests and test reports in compliance with protocol PA 301.

- □ Tests performed by a testing laboratory approved by the National Bureau of Standards and this office, using ASHRAE Standard 93/ANSI B198.1 to determine the Thermal Performance of the Solar Collector.
- □ Uplift load test per PA202 on the collector (attach collector as it will be used). See note 1.

## Notes:

- 1. One specimen of each model, a minimum of three specimens shall be tested and they shall be rated for the lowest pressure. Minimum design pressure for approval is 41 psf.
- 2. Collector shall be tested, approved and installed with the same number, location and type of anchors & fasteners.
- 3. The design pressure shall be determined dividing the test pressure by 2.

Revised: 10/06/97

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